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Integrating microfabrication

techniques, sensors and digital signal

processing with key clinical

applications, it covers: the

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Digitization of physiological signals, and the removal of interfering signals; the transmission of signals from implanted sensors through the body, and the issues surrounding the powering of these sensors; networks for ...

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Instrumentation - by Andrew G. Webb

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Preface - Principles of Biomedical Instrumentation

It involves measurement of biological signals like ECG, EMG, or any

electrical signals generated in the human body. Biomedical

Instrumentation helps physicians to diagnose the problem and provide

treatment. To measure biological signals and to design a medical

instrument, concepts of electronics and measurement techniques are

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Measurement needs (environmental conditions, safety, reliability, etc) •

Instrument performance (speed, power, resolution, range, etc) • A

medical device is • “ any item promoted for a medical purpose that does not rely on chemical action

Medical Instrumentation - Michigan State University

Biomedical Engineering Technology aims to educate future professionals that will work with medical equipment ensuring their correct calibration and safety. This book is an excellent

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